Supporting High-Complexity Coding Amanda Shehu, Computer Science

CS 485: Autonomous Robotics



My main goal has been to give students assignments that

do not feel like toy ones, but ones that indeed they can point to as accomplishments in their vitas when applying in industry or graduate school. However, such assignments demand time of students. To allow for complexity and yet feasibility, I now provide students with support code. Effectively, I implement the low-level behaviors, so that students can focus on implementing the high-level behaviors and see the concepts taught in class in action. The picture below shows how I provide snippets of the support code, highlighting where students are asked to add their implementations. This has allowed more complex assignments. Such assignments also give students a real and immediate purpose for their learning and focus their energies very effectively.





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